

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A method for evaluating the biological activity of a specific binding substance on living cells by means of a surface plasmon resonance analyzer, which comprises:

immobilizing the living cells on a surface plasmon resonance analyzer;
applying a flow of the specific binding substance to the living cells;
continuously measuring a primary signal, which appears upon application of the flow, and
measuring a secondary signal, which appears after elimination of the flow; and
evaluating the biological activity of the specific binding substance on the cells ~~with an~~ by
indication of the secondary signal, which comprises a further increase or periodical change from
a baseline level measured from the primary signal.

2. (Cancelled)